Sheet 1 of 3

Form PTO-1449					Docket Number (Optional) 3635.4US (98-0029.04/US)		Application N t vet a			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION					ATION	3635.4US (98-0029.04/US) N t yet assigned  Applicant Chapman et al.				
(Use several sheets if necessary)						Filing Date July 22, 2	Group Art U	own		
				U.S.	PATENT I	DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER		DATE		NAME CLASS		SUBCLASS	FILING D	NATE OPRIATE
116		3,087,239		04/1963		Clagett				
		3,	643,321	02/1972		Field et al.				
		4,	030,657	06/1977		Scheffer				
			327,860	05/1982	Kirs	henboin et al.				
			415,115	11/1983	James					
	4,434,347 02/1984			Kurtz et al.						
		4,	513,190	04/1985	E	Ellett et al.				
		4,	778,097	10/1988		Hauser				
	•	4,8	886,200	12/1989		Tsumura				
$\rightarrow$	/	4,9	974,767	12/1990	A	Ufaro et al.				
LR	6	5,0	003,373	03/1991	Ts	umura et al.				
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				FOREIC	ON PATEN	IT DOCUMENTS	S			1
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0	<b>*</b>	C		DATE	THER DO	CUMENTS	CLASS	Author, Title, Dat	YES	Pages, Etc.)

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		U.S. 1	PATENT	DOCUMENTS				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME CLASS		SUBCLASS	FILING DATE	
116	5,148,959	09/1992		Cain et al.		-	IF AFFRO	PRIATE
	5,172,851	12/1992		Isushita et al.	†	<del>                                     </del>	<u> </u>	
	5,217,154	06/1993		lwood et al.		<del>                                     </del>		
	5,302,550 04/1994			Hirota et al. Perlberg et al.				
	5,421,503	06/1995						
	5,437,405	08/1995	Asanasavest		<b>†</b>			
5,445,306		08/1995	Huddleston		<del>                                     </del>	<del>                                     </del>		$\neg \neg$
	5,465,899	11/1995	Quick et al.					
5,485,949		01/1996	Tomura et al.		1			
V	5,516,029	05/1996	Grasso et al.					
Ula	5,544,804	08/1996	Test et al.					
		FORFIG	N PATEN	IT DOCUMENTS	<u> </u>			
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Form PTO-14	149	Docket Number (Optional) 3635.4US (98-0029.04/US)		Application Number  N t yet assigned					
INFORM	IATION DISCLIN AN APPLI		TION	Applicant Chapman tal.					
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		U.S.	PATENT	DOCUMENTS					
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RE	5,558,270	5,558,270 09/1996		Nachon et al.					
	5,603,445	02/1997		Hill et al.					
	5,662,261	09/1997		Fogal		I			
	5,871,141	02/1999	Н	ladar et al.					
	5,884,830	03/1999	Yaı	mazaki et al.					
	5,891,796	04/1999 Na		camura et al.			T		
	5,931,368	03/1997	Н	ladar et al.			}		
	5,938,105	07/1997	Singh						
	5,984,162 11/1999 1 6,041,995 03/2000 1		Ho	rtaleza et al.					
			Takahashi et al.						
			Ch	napman et al.					
	6,311,890	11/2001		apman et al.					
	6,371,356	04/2002		Senuma					
	6,439,450 08/2002		Chapman et al.						
105		07/2003	07/2003 Chan						
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